

Claims

1 Power distribution transmission having one mechanical and one hydraulic power branch, a hydraulic pump (1) and a hydraulic motor (3) being interconnected in the hydraulic power branch and retained in a transmission housing (7) via elastic damping elements (5), characterized in that only in the area in which they are interconnected are said hydraulic pump (1) and said hydraulic motor (3) connected via damping elements (6) with a transmission housing (7).

2. Power distribution transmission according to Claim 1, characterized in that said hydraulic pump (1) and said hydraulic motor (3) communicate with said mechanical power branch via shafts (12, 17) which are floatingly supported and are designed as crowned teeth or as spiral gearing on the connecting points (14, 19).

3. Power distribution transmission according to Claim 2, characterized in that said toothed wheels (13, 16), which are connected via shafts (12, 17) with a hydraulic pump (1) and a hydraulic motor (3), are supported in a transmission housing (7) via bearings (15, 20).

4. Power distribution transmission according to Claim 1, characterized in that said hydraulic motor (3) is connected via an intermediate plate (2) with said hydraulic pump (1) which has receptacles (4) for said damping elements (5).

5. Power distribution transmission according to Claim 4, characterized in that said receptacles (4) for said damping elements (5) are radially disposed around an axis of rotation (9) of said hydraulic pump (1).

6. Power distribution transmission according to Claim 1, characterized in that said hydraulic motor (3) is connected via an intermediate plate (2) with said hydraulic pump (1) which has centering receptacles (110) for centering said intermediate plate (2) in a transmission housing (7).

7. Power distribution transmission according to Claim 1 characterized in that said damping elements are situated in one plane.

Add
CJ

Bob
SP